

新鲜天麻的酚类成分 (简报)

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前报^[1] 我们报道了从天麻 (*Gastrodia elata* Blume) 中分离鉴定了天麻甙、对羟基苯甲醇和对羟基苯甲醛等六种成分。并经药理证明^[2], 前两个酚类成分具有镇静和镇痛作用。基于上述理由, 我们继续对天麻的其它酚性成分进行了分离鉴定。此次以新鲜天麻为研究材料从乙醚提取部分又分离鉴定了五个酚类成分:

1. 4,4'-二羟基二苯甲烷 4,4'-dihydroxy-diphenyl methane
 $\text{HO}-\text{C}_6\text{H}_4\text{CH}_2\text{C}_6\text{H}_4-\text{OH}$ mp 158—162°C
2. 4,4'-二羟基二苄醚 4,4'-dihydroxy-dibenzyl ether
 $\text{HO}-\text{C}_6\text{H}_4\text{CH}_2\text{OCH}_2\text{C}_6\text{H}_4-\text{OH}$ mp 115—117°C
3. 3,4-二羟基苯甲醛 3,4-dihydroxy-benzaldehyde
 $(\text{HO})_2-\text{C}_6\text{H}_3\text{CHO}$ mp 148—151°C
4. 4-乙氧甲基苯基4'-羟基苄醚 4-ethoxymethyl phenyl, 4'-hydroxy benzyl ether
 $\text{CH}_3\text{CH}_2-\text{O}-\text{CH}_2\text{C}_6\text{H}_4-\text{O}-\text{CH}_2\text{C}_6\text{H}_4-\text{OH}$ mp 110—111°C
5. 对乙氧甲基苯酚 4-ethoxymethyl phenol
 $\text{CH}_3\text{CH}_2-\text{OCH}_2\text{C}_6\text{H}_4-\text{OH}$ mp 49—51°C

详细工作将另行报道

参 考 文 献

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THE PHENOLIC COMPOUNDS OF FRESH GASTRODIA ELATA BLUME

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ABSTRACT

From the fresh tuber of *Gastrodia elata* Blume, five phenolic compounds were isolated and elucidated as 4,4'-dihydroxy-diphenyl methane, 4,4'-dihydroxy-dibenzyl ether, 4-Ethoxymethyl phenyl 4'-hydroxy benzyl ether, 4-ethoxymethyl phenol, and 3,4-dihydroxy-benzaldehyde,